

www.ps.bam.de/UE59/10S/S59E00FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE59/10S/S59E00FP.DAT in File (F)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

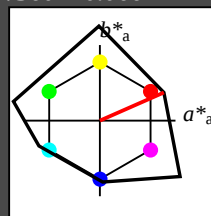
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 1.0 1.0 1.0 (1.0)
olvi7* 1.0 1.0 1.0 (1.0)
olvi8* 1.0 1.0 1.0 (1.0)
olvi9* 1.0 1.0 1.0 (1.0)
olvi10* 1.0 1.0 1.0 (1.0)
olvi11* 1.0 1.0 1.0 (1.0)
olvi12* 1.0 1.0 1.0 (1.0)
olvi13* 1.0 1.0 1.0 (1.0)
olvi14* 1.0 1.0 1.0 (1.0)
olvi15* 1.0 1.0 1.0 (1.0)
olvi16* 1.0 1.0 1.0 (1.0)
olvi17* 1.0 1.0 1.0 (1.0)
olvi18* 1.0 1.0 1.0 (1.0)
olvi19* 1.0 1.0 1.0 (1.0)
olvi20* 1.0 1.0 1.0 (1.0)
olvi21* 1.0 1.0 1.0 (1.0)
olvi22* 1.0 1.0 1.0 (1.0)
olvi23* 1.0 1.0 1.0 (1.0)
olvi24* 1.0 1.0 1.0 (1.0)
olvi25* 1.0 1.0 1.0 (1.0)
olvi26* 1.0 1.0 1.0 (1.0)
olvi27* 1.0 1.0 1.0 (1.0)
olvi28* 1.0 1.0 1.0 (1.0)
olvi29* 1.0 1.0 1.0 (1.0)
olvi30* 1.0 1.0 1.0 (1.0)
olvi31* 1.0 1.0 1.0 (1.0)
olvi32* 1.0 1.0 1.0 (1.0)
olvi33* 1.0 1.0 1.0 (1.0)
olvi34* 1.0 1.0 1.0 (1.0)
olvi35* 1.0 1.0 1.0 (1.0)
olvi36* 1.0 1.0 1.0 (1.0)
olvi37* 1.0 1.0 1.0 (1.0)
olvi38* 1.0 1.0 1.0 (1.0)
olvi39* 1.0 1.0 1.0 (1.0)
olvi40* 1.0 1.0 1.0 (1.0)
olvi41* 1.0 1.0 1.0 (1.0)
olvi42* 1.0 1.0 1.0 (1.0)
olvi43* 1.0 1.0 1.0 (1.0)
olvi44* 1.0 1.0 1.0 (1.0)
olvi45* 1.0 1.0 1.0 (1.0)
olvi46* 1.0 1.0 1.0 (1.0)
olvi47* 1.0 1.0 1.0 (1.0)
olvi48* 1.0 1.0 1.0 (1.0)
olvi49* 1.0 1.0 1.0 (1.0)
olvi50* 1.0 1.0 1.0 (1.0)
olvi51* 1.0 1.0 1.0 (1.0)
olvi52* 1.0 1.0 1.0 (1.0)
olvi53* 1.0 1.0 1.0 (1.0)
olvi54* 1.0 1.0 1.0 (1.0)
olvi55* 1.0 1.0 1.0 (1.0)
olvi56* 1.0 1.0 1.0 (1.0)
olvi57* 1.0 1.0 1.0 (1.0)
olvi58* 1.0 1.0 1.0 (1.0)
olvi59* 1.0 1.0 1.0 (1.0)
olvi60* 1.0 1.0 1.0 (1.0)
olvi61* 1.0 1.0 1.0 (1.0)
olvi62* 1.0 1.0 1.0 (1.0)
olvi63* 1.0 1.0 1.0 (1.0)
olvi64* 1.0 1.0 1.0 (1.0)
olvi65* 1.0 1.0 1.0 (1.0)
olvi66* 1.0 1.0 1.0 (1.0)
olvi67* 1.0 1.0 1.0 (1.0)
olvi68* 1.0 1.0 1.0 (1.0)
olvi69* 1.0 1.0 1.0 (1.0)
olvi70* 1.0 1.0 1.0 (1.0)
olvi71* 1.0 1.0 1.0 (1.0)
olvi72* 1.0 1.0 1.0 (1.0)
olvi73* 1.0 1.0 1.0 (1.0)
olvi74* 1.0 1.0 1.0 (1.0)
olvi75* 1.0 1.0 1.0 (1.0)
olvi76* 1.0 1.0 1.0 (1.0)
olvi77* 1.0 1.0 1.0 (1.0)
olvi78* 1.0 1.0 1.0 (1.0)
olvi79* 1.0 1.0 1.0 (1.0)
olvi80* 1.0 1.0 1.0 (1.0)
olvi81* 1.0 1.0 1.0 (1.0)
olvi82* 1.0 1.0 1.0 (1.0)
olvi83* 1.0 1.0 1.0 (1.0)
olvi84* 1.0 1.0 1.0 (1.0)
olvi85* 1.0 1.0 1.0 (1.0)
olvi86* 1.0 1.0 1.0 (1.0)
olvi87* 1.0 1.0 1.0 (1.0)
olvi88* 1.0 1.0 1.0 (1.0)
olvi89* 1.0 1.0 1.0 (1.0)
olvi90* 1.0 1.0 1.0 (1.0)
olvi91* 1.0 1.0 1.0 (1.0)
olvi92* 1.0 1.0 1.0 (1.0)
olvi93* 1.0 1.0 1.0 (1.0)
olvi94* 1.0 1.0 1.0 (1.0)
olvi95* 1.0 1.0 1.0 (1.0)
olvi96* 1.0 1.0 1.0 (1.0)
olvi97* 1.0 1.0 1.0 (1.0)
olvi98* 1.0 1.0 1.0 (1.0)
olvi99* 1.0 1.0 1.0 (1.0)
olvi100* 1.0 1.0 1.0 (1.0)

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

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lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

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relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

NCS11; adapted (a) CIELAB data

$L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa 47.15 84.64 37.25 92.48 24

JMa 91.37 -1.27 125.03 125.03 91

GMa 63.07 -114.28 25.35 117.06 167

G50BMa 59.47 -80.6 -33.45 87.28 203

BMa 49.01 3.65 -81.19 81.28 273

B50RMa 44.06 106.09 -73.93 129.32 325

NMa 10.99 0.0 0.0 0.0 0

WMa 95.41 0.0 0.0 0.0 0

RCIE 39.92 58.69 27.98 65.01 25

JCIE 81.26 -2.9 71.56 71.62 92

GCIE 52.23 -42.45 13.59 44.59 162

BCIE 30.57 1.35 -46.48 46.51 272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)

olvi3* 1.0 0.5 0.5 (1.0)

olvi4* 1.0 0.5 0.5 (1.0)

olvi5* 1.0 0.5 0.5 (1.0)

olvi6* 1.0 0.5 0.5 (1.0)

olvi7* 1.0 0.5 0.5 (1.0)

olvi8* 1.0 0.5 0.5 (1.0)

olvi9* 1.0 0.5 0.5 (1.0)

olvi10* 1.0 0.5 0.5 (1.0)

olvi11* 1.0 0.5 0.5 (1.0)

olvi12* 1.0 0.5 0.5 (1.0)

olvi13* 1.0 0.5 0.5 (1.0)

olvi14* 1.0 0.5 0.5 (1.0)

olvi15* 1.0 0.5 0.5 (1.0)

olvi16* 1.0 0.5 0.5 (1.0)

olvi17* 1.0 0.5 0.5 (1.0)

olvi18* 1.0 0.5 0.5 (1.0)

olvi19* 1.0 0.5 0.5 (1.0)

olvi20* 1.0 0.5 0.5 (1.0)

olvi21* 1.0 0.5 0.5 (1.0)

olvi22* 1.0 0.5 0.5 (1.0)

olvi23* 1.0 0.5 0.5 (1.0)

olvi24* 1.0 0.5 0.5 (1.0)

olvi25* 1.0 0.5 0.5 (1.0)

olvi26* 1.0 0.5 0.5 (1.0)

olvi27* 1.0 0.5 0.5 (1.0)

olvi28* 1.0 0.5 0.5 (1.0)

olvi29* 1.0 0.5 0.5 (1.0)

olvi30* 1.0 0.5 0.5 (1.0)

olvi31* 1.0 0.5 0.5 (1.0)

olvi32* 1.0 0.5 0.5 (1.0)

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 24/360 = 0.066$

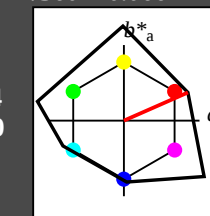
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 47 92 24

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 1.0 1.0 1.0 (1.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 1.0 1.0 1.0 (1.0)
olvi7* 1.0 1.0 1.0 (1.0)
olvi8* 1.0 1.0 1.0 (1.0)
olvi9* 1.0 1.0 1.0 (1.0)
olvi10* 1.0 1.0 1.0 (1.0)
olvi11* 1.0 1.0 1.0 (1.0)
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olvi31* 1.0 1.0 1.0 (1.0)
olvi32* 1.0 1.0 1.0 (1.0)
olvi33* 1.0 1.0 1.0 (1.0)
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olvi35* 1.0 1.0 1.0 (1.0)
olvi36* 1.0 1.0 1.0 (1.0)
olvi37* 1.0 1.0 1.0 (1.0)
olvi38* 1.0 1.0 1.0 (1.0)
olvi39* 1.0 1.0 1.0 (1.0)
olvi40* 1.0 1.0 1.0 (1.0)
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olvi42* 1.0 1.0 1.0 (1.0)
olvi43* 1.0 1.0 1.0 (1.0)
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olvi48* 1.0 1.0 1.0 (1.0)
olvi49* 1.0 1.0 1.0 (1.0)
olvi50* 1.0 1.0 1.0 (1.0)
olvi51* 1.0 1.0 1.0 (1.0)
olvi52* 1.0 1.0 1.0 (1.0)
olvi53* 1.0 1.0 1.0 (1.0)
olvi54* 1.0 1.0 1.0 (1.0)
olvi55* 1.0 1.0 1.0 (1.0)
olvi56* 1.0 1.0 1.0 (1.0)
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olvi59* 1.0 1.0 1.0 (1.0)
olvi60* 1.0 1.0 1.0 (1.0)
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olvi62* 1.0 1.0 1.0 (1.0)
olvi63* 1.0 1.0 1.0 (1.0)
olvi64* 1.0 1.0 1.0 (1.0)
olvi65* 1.0 1.0 1.0 (1.0)
olvi66* 1.0 1.0 1.0 (1.0)
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olvi68* 1.0 1.0 1.0 (1.0)
olvi69* 1.0 1.0 1.0 (1.0)
olvi70* 1.0 1.0 1.0 (1.0)
olvi71* 1.0 1.0 1.0 (1.0)
olvi72* 1.0 1.0 1.0 (1.0)
olvi73* 1.0 1.0 1.0 (1.0)
olvi74* 1.0 1.0 1.0 (1.0)
olvi75* 1.0 1.0 1.0 (1.0)
olvi76* 1.0 1.0 1.0 (1.0)
olvi77* 1.0 1.0 1.0 (1.0)
olvi78* 1.0 1.0 1.0 (1.0)
olvi79* 1.0 1.0 1.0 (1.0)
olvi80* 1.0 1.0 1.0 (1.0)
olvi81* 1.0 1.0 1.0 (1.0)
olvi82* 1.0 1.0 1.0 (1.0)
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olvi85* 1.0 1.0 1.0 (1.0)
olvi86* 1.0 1.0 1.0 (1.0)
olvi87* 1.0 1.0 1.0 (1.0)
olvi88* 1.0 1.0 1.0 (1.0)
olvi89* 1.0 1.0 1.0 (1.0)
olvi90* 1.0 1.0 1.0 (1.0)
olvi91* 1.0 1.0 1.0 (1.0)
olvi92* 1.0 1.0 1.0 (1.0)
olvi93* 1.0 1.0 1.0 (1.0)
olvi94* 1.0 1.0 1.0 (1.0)
olvi95* 1.0 1.0 1.0 (1.0)
olvi96* 1.0 1.0 1.0 (1.0)
olvi97* 1.0 1.0 1.0 (1.0)
olvi98* 1.0 1.0 1.0 (1.0)
olvi99* 1.0 1.0 1.0 (1.0)
olvi100* 1.0 1.0 1.0 (1.0)

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 1.0 0.0 0.0

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative Natural Colour (NC)

lab*tr 0.857 0.25 -0.005

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

relative CIELAB lab*

lab*lab 1.0 0.0 0.0

lab*tch 0.857 0.25 -0.005

lab*nch 0.0 0.0 0.0

NCS11; adapted (a) CIELAB data

$L^*=L^*_a$ a^*_a b^*_a $C^*_{ab,a}$ $h^*_{ab,a}$

RMa 47.15 84.64 37.25 92.48 24

JMa 91.37 -1.27 125.03 125.03 91

GMa 63.07 -114.28 25.35 117.06 167

G50BMa 59.47 -

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 203/360 = 0.563$

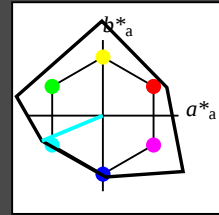
lab^*tch and lab^*nch

D65: hue G50B

LCH*Ma: 59 87 203

rgb*Ma: 0.0 1.0 1.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data					
	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)					
olvi3*	0.75	0.75	0.75	1.0	1.0
olvi4*	0.75	0.75	0.75	1.0	1.0
olvi5*	0.75	0.75	0.75	1.0	1.0
olvi6*	0.75	0.75	0.75	1.0	1.0
olvi7*	0.75	0.75	0.75	1.0	1.0
olvi8*	0.75	0.75	0.75	1.0	1.0
olvi9*	0.75	0.75	0.75	1.0	1.0
olvi10*	0.75	0.75	0.75	1.0	1.0
olvi11*	0.75	0.75	0.75	1.0	1.0
olvi12*	0.75	0.75	0.75	1.0	1.0
olvi13*	0.75	0.75	0.75	1.0	1.0
olvi14*	0.75	0.75	0.75	1.0	1.0
olvi15*	0.75	0.75	0.75	1.0	1.0
olvi16*	0.75	0.75	0.75	1.0	1.0
olvi17*	0.75	0.75	0.75	1.0	1.0
olvi18*	0.75	0.75	0.75	1.0	1.0
olvi19*	0.75	0.75	0.75	1.0	1.0
olvi20*	0.75	0.75	0.75	1.0	1.0
olvi21*	0.75	0.75	0.75	1.0	1.0
olvi22*	0.75	0.75	0.75	1.0	1.0
olvi23*	0.75	0.75	0.75	1.0	1.0
olvi24*	0.75	0.75	0.75	1.0	1.0
olvi25*	0.75	0.75	0.75	1.0	1.0
olvi26*	0.75	0.75	0.75	1.0	1.0
olvi27*	0.75	0.75	0.75	1.0	1.0
olvi28*	0.75	0.75	0.75	1.0	1.0
olvi29*	0.75	0.75	0.75	1.0	1.0
olvi30*	0.75	0.75	0.75	1.0	1.0
olvi31*	0.75	0.75	0.75	1.0	1.0
olvi32*	0.75	0.75	0.75	1.0	1.0
olvi33*	0.75	0.75	0.75	1.0	1.0
olvi34*	0.75	0.75	0.75	1.0	1.0
olvi35*	0.75	0.75	0.75	1.0	1.0
olvi36*	0.75	0.75	0.75	1.0	1.0
olvi37*	0.75	0.75	0.75	1.0	1.0
olvi38*	0.75	0.75	0.75	1.0	1.0
olvi39*	0.75	0.75	0.75	1.0	1.0
olvi40*	0.75	0.75	0.75	1.0	1.0
olvi41*	0.75	0.75	0.75	1.0	1.0
olvi42*	0.75	0.75	0.75	1.0	1.0
olvi43*	0.75	0.75	0.75	1.0	1.0
olvi44*	0.75	0.75	0.75	1.0	1.0
olvi45*	0.75	0.75	0.75	1.0	1.0
olvi46*	0.75	0.75	0.75	1.0	1.0
olvi47*	0.75	0.75	0.75	1.0	1.0
olvi48*	0.75	0.75	0.75	1.0	1.0
olvi49*	0.75	0.75	0.75	1.0	1.0
olvi50*	0.75	0.75	0.75	1.0	1.0
olvi51*	0.75	0.75	0.75	1.0	1.0
olvi52*	0.75	0.75	0.75	1.0	1.0
olvi53*	0.75	0.75	0.75	1.0	1.0
olvi54*	0.75	0.75	0.75	1.0	1.0
olvi55*	0.75	0.75	0.75	1.0	1.0
olvi56*	0.75	0.75	0.75	1.0	1.0
olvi57*	0.75	0.75	0.75	1.0	1.0
olvi58*	0.75	0.75	0.75	1.0	1.0
olvi59*	0.75	0.75	0.75	1.0	1.0
olvi60*	0.75	0.75	0.75	1.0	1.0
olvi61*	0.75	0.75	0.75	1.0	1.0
olvi62*	0.75	0.75	0.75	1.0	1.0
olvi63*	0.75	0.75	0.75	1.0	1.0
olvi64*	0.75	0.75	0.75	1.0	1.0
olvi65*	0.75	0.75	0.75	1.0	1.0
olvi66*	0.75	0.75	0.75	1.0	1.0
olvi67*	0.75	0.75	0.75	1.0	1.0
olvi68*	0.75	0.75	0.75	1.0	1.0
olvi69*	0.75	0.75	0.75	1.0	1.0
olvi70*	0.75	0.75	0.75	1.0	1.0
olvi71*	0.75	0.75	0.75	1.0	1.0
olvi72*	0.75	0.75	0.75	1.0	1.0
olvi73*	0.75	0.75	0.75	1.0	1.0
olvi74*	0.75	0.75	0.75	1.0	1.0
olvi75*	0.75	0.75	0.75	1.0	1.0
olvi76*	0.75	0.75	0.75	1.0	1.0
olvi77*	0.75	0.75	0.75	1.0	1.0
olvi78*	0.75	0.75	0.75	1.0	1.0
olvi79*	0.75	0.75	0.75	1.0	1.0
olvi80*	0.75	0.75	0.75	1.0	1.0
olvi81*	0.75	0.75	0.75	1.0	1.0
olvi82*	0.75	0.75	0.75	1.0	1.0
olvi83*	0.75	0.75	0.75	1.0	1.0
olvi84*	0.75	0.75	0.75	1.0	1.0
olvi85*	0.75	0.75	0.75	1.0	1.0
olvi86*	0.75	0.75	0.75	1.0	1.0
olvi87*	0.75	0.75	0.75	1.0	1.0
olvi88*	0.75	0.75	0.75	1.0	1.0
olvi89*	0.75	0.75	0.75	1.0	1.0
olvi90*	0.75	0.75	0.75	1.0	1.0
olvi91*	0.75	0.75	0.75	1.0	1.0
olvi92*	0.75	0.75	0.75	1.0	1.0
olvi93*	0.75	0.75	0.75	1.0	1.0
olvi94*	0.75	0.75	0.75	1.0	1.0
olvi95*	0.75	0.75	0.75	1.0	1.0
olvi96*	0.75	0.75	0.75	1.0	1.0
olvi97*	0.75	0.75	0.75	1.0	1.0
olvi98*	0.75	0.75	0.75	1.0	1.0
olvi99*	0.75	0.75	0.75	1.0	1.0
olvi100*	0.75	0.75	0.75	1.0	1.0

relative Inform. Technology (IT)				
olvi3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olvi4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	86.42	-20.12	-8.35	
LAB*LABa	86.42	-20.13	-8.35	

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 273/360 = 0.757$

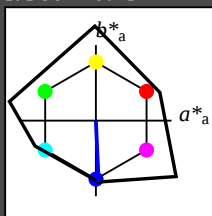
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 49 81 273

rgb*Ma: 0.0 0.0 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 149$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi4*	0.0	0.0	0.0	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi4*	0.25	0.25	0.25	(0.0)
olvi5*	1.0	1.0	1.0	(1.0)
olvi6*	0.0	0.0	0.0	(0.0)
olvi7*	0.0	0.0	0.0	(0.0)
olvi8*	0.0	0.0	0.0	(0.0)
olvi9*	0.0	0.0	0.0	(0.0)
olvi10*	0.0	0.0	0.0	(0.0)
olvi11*	0.0	0.0	0.0	(0.0)
olvi12*	0.0	0.0	0.0	(0.0)
olvi13*	0.0	0.0	0.0	(0.0)
olvi14*	0.0	0.0	0.0	(0.0)
olvi15*	0.0	0.0	0.0	(0.0)
olvi16*	0.0	0.0	0.0	(0.0)
olvi17*	0.0	0.0	0.0	(0.0)
olvi18*	0.0	0.0	0.0	(0.0)
olvi19*	0.0	0.0	0.0	(0.0)
olvi20*	0.0	0.0	0.0	(0.0)
olvi21*	0.0	0.0	0.0	(0.0)
olvi22*	0.0	0.0	0.0	(0.0)
olvi23*	0.0	0.0	0.0	(0.0)
olvi24*	0.0	0.0	0.0	(0.0)
olvi25*	0.0	0.0	0.0	(0.0)
olvi26*	0.0	0.0	0.0	(0.0)
olvi27*	0.0	0.0	0.0	(0.0)
olvi28*	0.0	0.0	0.0	(0.0)
olvi29*	0.0	0.0	0.0	(0.0)
olvi30*	0.0	0.0	0.0	(0.0)
olvi31*	0.0	0.0	0.0	(0.0)
olvi32*	0.0	0.0	0.0	(0.0)
olvi33*	0.0	0.0	0.0	(0.0)
olvi34*	0.0	0.0	0.0	(0.0)
olvi35*	0.0	0.0	0.0	(0.0)
olvi36*	0.0	0.0	0.0	(0.0)
olvi37*	0.0	0.0	0.0	(0.0)
olvi38*	0.0	0.0	0.0	(0.0)
olvi39*	0.0	0.0	0.0	(0.0)
olvi40*	0.0	0.0	0.0	(0.0)
olvi41*	0.0	0.0	0.0	(0.0)
olvi42*	0.0	0.0	0.0	(0.0)
olvi43*	0.0	0.0	0.0	(0.0)
olvi44*	0.0	0.0	0.0	(0.0)
olvi45*	0.0	0.0	0.0	(0.0)
olvi46*	0.0	0.0	0.0	(0.0)
olvi47*	0.0	0.0	0.0	(0.0)
olvi48*	0.0	0.0	0.0	(0.0)
olvi49*	0.0	0.0	0.0	(0.0)
olvi50*	0.0	0.0	0.0	(0.0)
olvi51*	0.0	0.0	0.0	(0.0)
olvi52*	0.0	0.0	0.0	(0.0)
olvi53*	0.0	0.0	0.0	(0.0)
olvi54*	0.0	0.0	0.0	(0.0)
olvi55*	0.0	0.0	0.0	(0.0)
olvi56*	0.0	0.0	0.0	(0.0)
olvi57*	0.0	0.0	0.0	(0.0)
olvi58*	0.0	0.0	0.0	(0.0)
olvi59*	0.0	0.0	0.0	(0.0)
olvi60*	0.0	0.0	0.0	(0.0)
olvi61*	0.0	0.0	0.0	(0.0)
olvi62*	0.0	0.0	0.0	(0.0)
olvi63*	0.0	0.0	0.0	(0.0)
olvi64*	0.0	0.0	0.0	(0.0)
olvi65*	0.0	0.0	0.0	(0.0)
olvi66*	0.0	0.0	0.0	(0.0)
olvi67*	0.0	0.0	0.0	(0.0)
olvi68*	0.0	0.0	0.0	(0.0)
olvi69*	0.0	0.0	0.0	(0.0)
olvi70*	0.0	0.0	0.0	(0.0)
olvi71*	0.0	0.0	0.0	(0.0)
olvi72*	0.0	0.0	0.0	(0.0)
olvi73*	0.0	0.0	0.0	(0.0)
olvi74*	0.0	0.0	0.0	(0.0)
olvi75*	0.0	0.0	0.0	(0.0)
olvi76*	0.0	0.0	0.0	(0.0)
olvi77*	0.0	0.0	0.0	(0.0)
olvi78*	0.0	0.0	0.0	(0.0)
olvi79*	0.0	0.0	0.0	(0.0)
olvi80*	0.0	0.0	0.0	(0.0)
olvi81*	0.0	0.0	0.0	(0.0)
olvi82*	0.0	0.0	0.0	(0.0)
olvi83*	0.0	0.0	0.0	(0.0)
olvi84*	0.0	0.0	0.0	(0.0)
olvi85*	0.0	0.0	0.0	(0.0)
olvi86*	0.0	0.0	0.0	(0.0)
olvi87*	0.0	0.0	0.0	(0.0)
olvi88*	0.0	0.0	0.0	(0.0)
olvi89*	0.0	0.0	0.0	(0.0)
olvi90*	0.0	0.0	0.0	(0.0)
olvi91*	0.0	0.0	0.0	(0.0)
olvi92*	0.0	0.0	0.0	(0.0)
olvi93*	0.0	0.0	0.0	(0.0)
olvi94*	0.0	0.0	0.0	(0.0)
olvi95*	0.0	0.0	0.0	(0.0)
olvi96*	0.0	0.0	0.0	(0.0)
olvi97*	0.0	0.0	0.0	(0.0)
olvi98*	0.0	0.0	0.0	(0.0)
olvi99*	0.0	0.0	0.0	(0.0)
olvi100*	0.0	0.0	0.0	(0.0)

relative CIELAB lab*			
lab*lab	0.863	0.011	-0.249
lab*tch	0.875	0.25	0.757
lab*nch	0.0	0.25	0.757
relative Natural Colour (NC)			
lab*lrj	0.863	0.003	-0.249
lab*tce	0.875	0.25	0.752
lab*nce	0.0	0.25	0.752

See for similar files: <http://www.ps.bam.de/UE59/>
Technical information: <http://www.ps.bam.de> Version 2.1, io=0,1, CIEXYZ

www.ps.bam.de/UE59/10S/S59E05FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE59/10S/S59E05FP.DAT in File (F)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

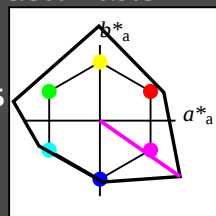
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ha} 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.57 26.53 -18.47
LAB*LABa 69.73 53.03 -36.95
LAB*TC_{Ha} 87.52 32.32 325.12

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*tch 0.875 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.848 0.168 -0.184
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.867

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*TC_{Ha} 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.696 0.41 -0.285
lab*tch 0.75 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.696 0.336 -0.369
lab*tce 0.75 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.89 79.6 -55.43
LAB*LABa 56.89 79.6 -55.43
LAB*TC_{Ha} 62.5 96.97 325.12

relative CIELAB lab*
lab*lab 0.544 0.615 -0.428
lab*tch 0.625 0.75 0.903
lab*nch 0.0 0.75 0.903
relative Natural Colour (NC)
lab*trj 0.544 0.504 -0.554
lab*tce 0.625 0.75 0.867
lab*nce 0.0 0.75 0.867

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.04 0.0
LAB*TC_{Ha} 50.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.446 0.336 -0.369
lab*tch 0.5 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.446 0.336 -0.369
lab*tce 0.5 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 48.63 53.09 -36.95
LAB*LABa 48.63 53.09 -36.95
LAB*TC_{Ha} 50.0 64.66 325.12

relative CIELAB lab*
lab*lab 0.392 0.82 -0.571
lab*tch 0.5 1.0 0.903
lab*nch 0.0 1.0 0.903
relative Natural Colour (NC)
lab*trj 0.392 0.673 -0.739
lab*tce 0.5 1.0 0.867
lab*nce 0.0 1.0 0.867

relative Inform. Technology (IT)
olvi3* 0.1 0.1 0.1 (1.0)
cmyn3* 0.9 0.9 0.9 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 44.06 106.07 -73.93
LAB*LABa 44.06 106.07 -73.93
LAB*TC_{Ha} 44.06 106.07 -73.93

relative CIELAB lab*
lab*lab 0.294 0.615 -0.428
lab*tch 0.375 0.75 0.903
lab*nch 0.0 0.75 0.903
relative Natural Colour (NC)
lab*trj 0.294 0.504 -0.554
lab*tce 0.375 0.75 0.867
lab*nce 0.0 0.75 0.867

relative Inform. Technology (IT)
olvi3* 0.05 0.05 0.05 (1.0)
cmyn3* 0.95 0.95 0.95 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 35.8 79.61 -55.43
LAB*LABa 35.8 79.61 -55.43
LAB*TC_{Ha} 37.5 96.97 325.12

relative CIELAB lab*
lab*lab 0.294 0.615 -0.428
lab*tch 0.375 0.75 0.903
lab*nch 0.0 0.75 0.903
relative Natural Colour (NC)
lab*trj 0.294 0.504 -0.554
lab*tce 0.375 0.75 0.867
lab*nce 0.0 0.75 0.867

relative Inform. Technology (IT)
olvi3* 0.025 0.025 0.025 (1.0)
cmyn3* 0.975 0.975 0.975 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 32.11 0.07 0.01
LAB*LABa 32.11 0.07 0.01
LAB*TC_{Ha} 25.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.196 0.41 -0.285
lab*tch 0.25 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.196 0.336 -0.369
lab*tce 0.25 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)
olvi3* 0.025 0.025 0.025 (1.0)
cmyn3* 0.975 0.975 0.975 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 27.53 53.03 -36.95
LAB*LABa 27.53 53.03 -36.95
LAB*TC_{Ha} 25.01 64.66 325.12

relative CIELAB lab*
lab*lab 0.196 0.41 -0.285
lab*tch 0.25 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.196 0.336 -0.369
lab*tce 0.25 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)
olvi3* 0.005 0.005 0.005 (1.0)
cmyn3* 0.995 0.995 0.995 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TC_{Ha} 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.098 0.205 -0.142
lab*tch 0.125 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.098 0.168 -0.184
lab*tce 0.125 0.25 0.867
lab*nce 0.0 0.25 0.867

relative Inform. Technology (IT)
olvi3* 0.005 0.005 0.005 (1.0)
cmyn3* 0.995 0.995 0.995 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 11.01 0.07 0.01
LAB*LABa 11.01 0.07 0.01
LAB*TC_{Ha} 0.01 0.01 0.0

relative CIELAB lab*
lab*lab 0.098 0.205 -0.142
lab*tch 0.125 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.098 0.168 -0.184
lab*tce 0.125 0.25 0.867
lab*nce 0.0 0.25 0.867

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.000 0.000 0.000 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*TC_{Ha} 0.0 0.0 0.0

relative CIELAB lab*
lab*lab 0.000 0.000 0.000
lab*tch 0.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 0.0 0.0 0.0

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 325/360 = 0.903$

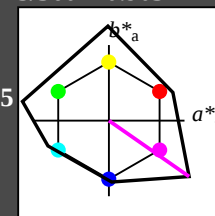
lab^*tch and lab^*nch

D65: hue B50R

LCH*Ma: 44 129 325

rgb*Ma: 1.0 0.0 1.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 0.0 -0.01
LAB*LABa 95.41 0.0 0.0
LAB*TC_{Ha} 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*tch 1.0 0.0 0.0
lab*nch 0.0 0.0 0.0
relative Natural Colour (NC)
lab*trj 1.0 0.0 0.0
lab*tce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 1.0 0.75 1.0 (1.0)
cmyn3* 0.0 0.25 0.0 (0.0)
olvi4* 1.0 0.75 1.0 (1.0)
cmyn4* 0.0 0.25 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 82.57 26.53 -18.47
LAB*LABa 69.73 53.03 -36.95
LAB*TC_{Ha} 87.52 32.32 325.12

relative CIELAB lab*
lab*lab 0.848 0.205 -0.142
lab*tch 0.875 0.25 0.903
lab*nch 0.0 0.25 0.903
relative Natural Colour (NC)
lab*trj 0.848 0.168 -0.184
lab*tce 0.875 0.25 0.867
lab*nce 0.0 0.25 0.867

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 74.31 0.02 0.0
LAB*LABa 74.31 0.02 0.0
LAB*TC_{Ha} 75.0 0.01 0.0

relative CIELAB lab*
lab*lab 0.696 0.41 -0.285
lab*tch 0.75 0.5 0.903
lab*nch 0.0 0.5 0.903
relative Natural Colour (NC)
lab*trj 0.696 0.336 -0.369
lab*tce 0.75 0.5 0.867
lab*nce 0.0 0.5 0.867

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.89 79.6 -55.43
LAB*LABa 56.89 79.6 -55.43
LAB*TC_{Ha} 62.5 96.97 325.12

relative CIELAB lab*
lab*lab 0.544 0.615 -0.428
lab*tch 0.625 0.75 0.903
lab*nch 0.0 0.75 0.903
relative Natural Colour (NC)
lab*trj 0.544 0.504 -0.554
lab*tce 0.625 0.75 0.867
lab*nce 0.0 0.75 0.867

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 53.21 0.04 0.0
LAB*LABa 53.21 0.0

See for similar files: <http://www.ps.bam.de/UE59/>
Technical information: <http://www.ps.bam.de>

Version 2.1, io=0,1, CIEXYZ

See for similar files: <http://www.ps.bam.de/UE59/>
Technical information: <http://www.ps.bam.de>

www.ps.bam.de/UE59/10S/S59E08FP.PS/.PDF; linearized output
F: Output Linearization (OL) data UE59/10S/S59E08FP.DAT in File (F)

Input: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

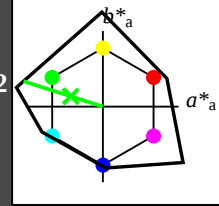
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

Output: Colorimetric Reflective System NCS11

for hue $h^* = lab^*h = 162/360 = 0.451$

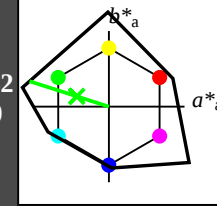
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 65 110 162

rgb*Ma: 0.08 1.0 0.0

triangle lightness t^*



NCS11; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	47.15	84.64	37.25	92.48	24
JMa	91.37	-1.27	125.03	125.03	91
GMa	63.07	-114.28	25.35	117.06	167
G50B _{Ma}	59.47	-80.6	-33.45	87.28	203
B _{Ma}	49.01	3.65	-81.19	81.28	273
B50R _{Ma}	44.06	106.09	-73.93	129.32	325
N _{Ma}	10.99	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.69	27.98	65.01	25
JCIE	81.26	-2.9	71.56	71.62	92
GCIE	52.23	-42.45	13.59	44.59	162
BCIE	30.57	1.35	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

%Regularity

$g^*_{H,rel} = 46$

$g^*_{C,rel} = 65$

%Gamut

$u^*_{rel} = 149$

UE59-7, 5 step scales for constant CIELAB hue 162/360 = 0.451 (left)

5 step scales for constant CIELAB hue 162/360 = 0.451 (right)

BAM-test chart UE59; Colorimetric systems NCS11a & NCS11ainput: `cmv0* setcmvcolor`

D65: 2 coordinate data of 5 step colour scales for 10 hues

output: `olv* setrgbcolor / w* setgray`

BAM registration: 20060101-UE59/10S/S59E08FP.PS/.PDF
application for evaluation and measurement of printer or monitor systems, Yr=2.5, XYZ

/UE59/ Form 9/10, Serie: 1/1, Page: 9 Page count: 9

BAM material: code=rh4ta

